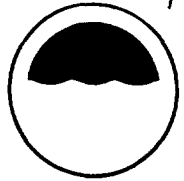


Patterson Associates, Incorporated

December 23, 1986



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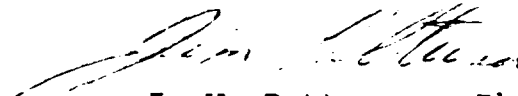
Ms. Ann Weinert
U.S. EPA, Region V
230 S. Dearborn Street
Chicago, IL 60604

Dear Ms. Weinert:

Further evaluation of the sewer system and Phase II data base for Cerro Copper Products Company of Sauget, Illinois has resulted in some revision of information previously transmitted to you by Mr. Silverstein. In his letter to you of September 29, 1986, he enclosed schematics of each of the processes subject to national categorical pretreatment standards. I enclose two revised schematics, for the Metal Molding & Casting, and Nonferrous Metals activities.

On October 14, 1986, Mr. Silverstein provided you with flow data. Further study at Cerro has indicated that the process flows associated with the Metal Molding & Casting activity should be adjusted slightly and I enclose revised Tables I and II to replace those submitted by Mr. Silverstein on October 14.

Cordially yours,



J. W. Patterson, Ph.D.

JWP:aw
Encl.

cc: R. Kissel
P. Tandler
S. Silverstein

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WASTEWATER FLOW DATA

TABLE I (REVISED)

Metal Molding & Casting - Copper Casting Subcategory

Direct Chill Casting	-	51.7 gpm
Dust Collecting Scrubber	-	2.8 gpm

Non Ferrous Metals - Secondary Copper Category

52.9 gpm - (includes some non regulated flow)

Copper Forming

Main Tube Mill

Solution Heat Treat)	
Miscellaneous Waste Streams)	- 67.7 gpm

No. 2 Tube Mill

Hot Rolling Spent Lubricant)	
Solution Heat Treat)	
Pickling Bath)	17.5 gpm
Pickling Rinse)	
Miscellaneous Waste Streams)	

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WASTEWATER FLOW DATA

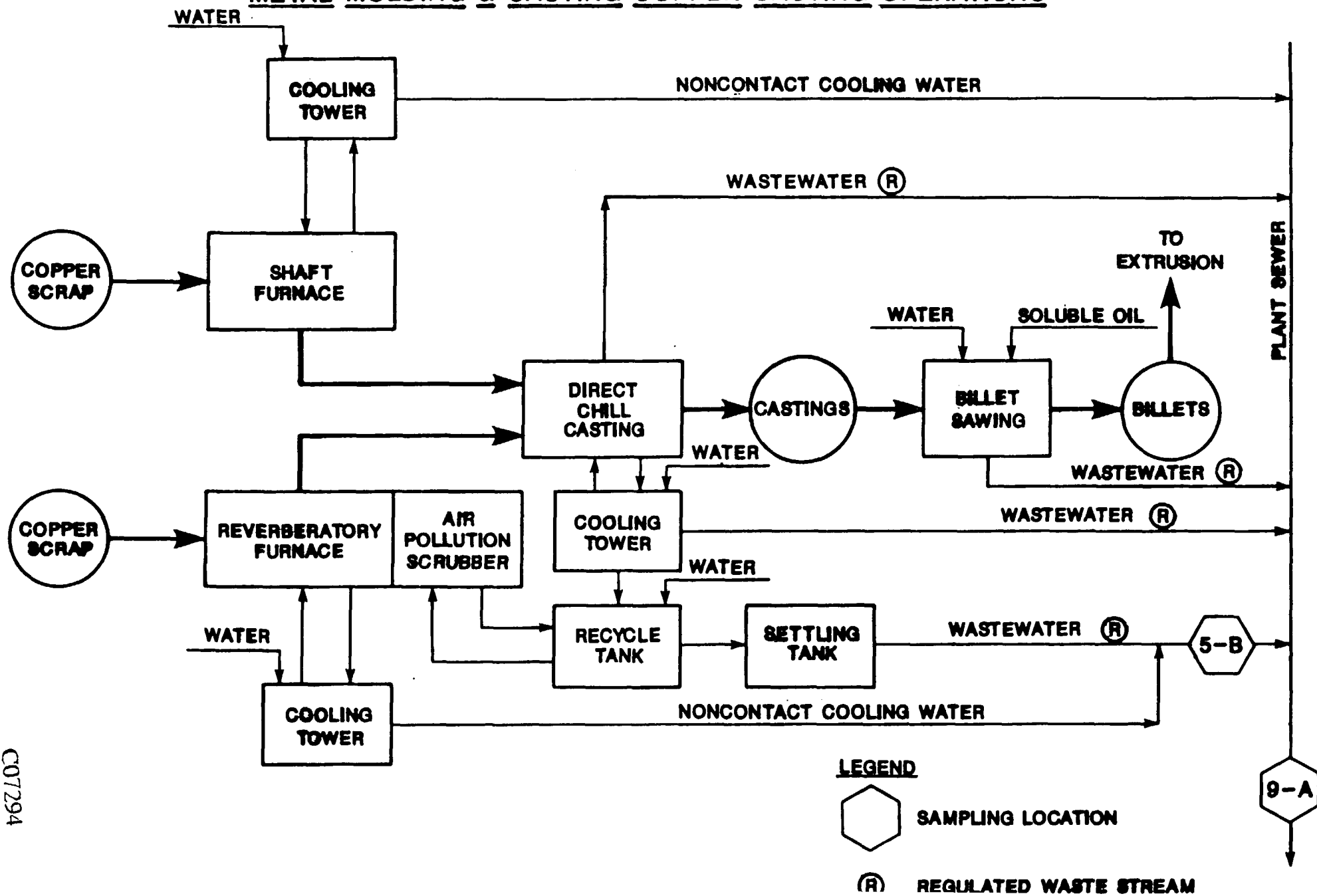
TABLE II (REVISED)

	(Gallons per Minute)					
	<u>Metal Molding & Casting</u>	<u>Non Ferrous Metals</u>	<u>Copper Forming</u>	<u>Total Process</u>	<u>Measured Flow at Outfall</u>	<u>Deviation</u>
East Sewer Outfall	0	52.9	67.7	120.6	110.6	-10.0
West Sewer Outfall	54.5	0	17.5	72.0	100.1	+28.1
					Net	+18.1

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CERRO COPPER PRODUCTS COMPANY
PROCESSING FLOW DIAGRAM
METAL MOLDING & CASTING COPPER CASTING OPERATIONS



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